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Claims:

	Ciamis.			
1	1. A system comprising:			
2	a radio modem unit; and			
3	an RF signal booster unit, wherein the booster unit is connectable to			
4	the RF signal booster unit with a connector adapted to transmit RF signals,			
5	wherein a DC offset at the connector is detected to determine whether the booster			
6	unit is connected to radio modem.			
1	2. The system of Claim 1, wherein the connector connects to a			
2	connection line between the radio modem unit and the booster unit.			
1	3. The system of Claim 1, wherein the offset detection circuitry is			
2	located within the radio modem unit.			
1	4. The system of Claim 1, wherein the offset detection circuitry			
2	includes an inductor to allow the DC offset to be placed onto the connector, but			
3	not allow radio frequency energy to pass up into the auto-detect circuit.			
1	5. The system of Claim 1, wherein the booster unit includes an			
2	element to reduce the DC power level to low if the radio modem unit is connected			
3	to the booster unit.			
1	6. The system of Claim 5, wherein the elements in the booster unit			
2	include an inductor.			
1	7. The system of Claim 1, wherein the voltage at the connector of the			
2	radio modem unit is high if no booster unit is connected but is low if a booster un			
3	is connected.			

8. A radio modem unit comprising:

2	a radio;			
3	an RF signal connector operably connected to the radio, the connector			
4	being connectable to a RF antenna or a booster unit; and			
5	a detector unit adapted to detect a DC offset at the connector to			
6	determine whether the connector is connected to a booster unit.			
1	9. The radio modem unit of Claim 8, wherein the connector is			
2	connectable to a connector line which can connect the radio modem unit to a			
3	booster unit.			
1	10. The radio modem unit of Claim 8, wherein the DC offset of			
2	the connector is high if no booster unit is connected but is low if a booster unit is			
3	connected.			
1	11. The radio modem unit of Claim 8, wherein an inductor is			
2	used as part of an auto-detect circuit.			
1	12. The radio modem unit of Claim 8, wherein the radio modem			
2	unit is connected to a booster unit, the booster unit including a circuit to pull the			
3	DC offset at the connector to low.			

1	13. A system comprising:			
2	a radio modem unit; and			
3	an RF signal booster unit, wherein the booster unit is connectable to			
4	the RF signal booster unit with a connector adapted to transmit RF signals,			
5	wherein baseband signals transmitted to the connector by the radio modem are			
6	used by the booster unit to prepare for transmission.			
1	14. The system of Claim 13, wherein a connector line is			
2	connected between the connector at the RF signal booster unit to a connector at the			
3	radio modem unit.			
1	15. The system of Claim 13, wherein the baseband signals are			
2	power control signals.			
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1	16. The system of Claim 13, wherein the power control signals			
2	are used to control the power and channel.			
1	17. The system of Claim 13, wherein the RF signal booster unit			
2	includes a switch in the transmit line that prevents RF energy from being provided			
3	to a power amplifier in the booster unit until a valid power controller message is			
4	received from the radio modem.			
1	18. The system of Claim 13, wherein DC offset signals are sent			
2	between the radio modem and booster unit to indicate whether the radio modem			
3	unit is connected to the booster unit.			
1	19. An RF signal booster unit adapted to amplify RF signals			
2	from a radio modem, the booster unit includes a switch that significantly attenuates			
3	the RF energy from the radio modem that is provided to a power amplifier in the			

4	booster unit until a valid power control message is received from the radio		
5 modem.			
1	The RF signal booster unit of Claim 19, wherein the switch		
2	includes a pair of diodes.		
1	The system of Claim 20, wherein the current flows through		
2	the diodes, the RF impedance of the diodes is reduced, turning the switch to		
3	closed, but when current is not flowing through the diodes, the RF impedance of		
4	the switch is high.		
1	Method of using a radio modem unit and an RF signal		
2	booster unit, the booster unit and radio modem unit connectable using a connector		
3	the method comprising:		
4	,		
	in the radio modem unit, detecting a DC offset on the connector to		
5	determine whether the booster unit is connected;		
6	if the booster unit is connected, transmitting baseband signals on the		
7	connector from the radio modem to the booster unit to allow the booster unit to		
8	prepare for transmission; and		
9	thereafter, transmitting an RF signal on the connector from the radio		
10	modem to the booster unit.		

Ţ	23.	The method of Claim 22, wherein the connector line		
2	connects between the radio modem unit and an RF signal booster unit.			
1	24.	The method of Claim 22, wherein the baseband signal is the		
2	power control signal			
1	25.	The method of Claim 24, wherein the power control signal		
2	includes a channel control and power level indications.			